

1 CLAIMS:

2 1. A radio frequency identification device comprising:

3 a substrate;

4 communication circuitry coupled with the substrate and configured
5 to receive a wireless signal including an identifier, to process the
6 identifier of the wireless signal and to output a control signal responsive
7 to the processing of the identifier; and

8 indication circuitry coupled with the communication circuitry and
9 configured to receive the control signal and to indicate presence at the
10 radio frequency identification device responsive to the control signal.

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12 2. The device according to claim 1 wherein the indication
13 circuitry includes a light emitting device configured to emit a human
14 visible signal to indicate the presence.

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16 3. The device according to claim 1 wherein the wireless signal
17 includes data and the communication circuitry is configured to output
18 the control signal comprising the data.

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20 4. The device according to claim 1 wherein the communication
21 circuitry is configured to output a wireless signal.
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1 5. A remote communication device comprising:

2 a housing;

3 communication circuitry supported by the housing and including a
4 data port, the communication circuitry being configured to receive a
5 wireless signal including an identifier and data, to process the identifier,
6 and to write the data to the data port responsive to the processing of
7 the identifier; and

8 indication circuitry coupled with the data port and configured to
9 receive the data and to indicate presence of the remote communication
10 device responsive to the data.

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12 6. The device according to claim 5 wherein the indication
13 circuitry is configured to emit a human perceptible signal to indicate the
14 presence.

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16 7. The device according to claim 5 wherein the indication
17 circuitry includes a light emitting device configured to emit a human
18 visible signal to indicate the presence.

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20 8. The device according to claim 5 wherein the communication
21 circuitry is configured to output a wireless signal.

1 9. The device according to claim 5 wherein the wireless signal
2 includes a command and the communication circuitry writes the data to
3 the data port responsive to the command.

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5 10. The device according to claim 5 wherein the communication
6 circuitry comprises radio frequency identification device circuitry.

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8 11. A remote communication device comprising:
9 a housing;
10 communication circuitry supported by the housing and including a
11 data port, the communication circuitry being configured to receive a
12 wireless signal including an identifier and data, to process the identifier,
13 and to write the data to the data port responsive to the processing of
14 the identifier; and

15 indication circuitry including:

16 a latch coupled with the data port and configured to receive
17 the data; and

18 an indicator coupled with the latch and configured to output
19 a signal to indicate presence of the remote communication device
20 responsive to the data received within the latch.

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22 12. The device according to claim 11 wherein the indicator is
23 configured to emit a human perceptible signal to indicate the presence.
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1 13. The device according to claim 11 wherein the indicator
2 includes a light emitting device configured to emit a human visible
3 signal to indicate the presence.

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5 14. The device according to claim 11 wherein the wireless signal
6 includes a command and the communication circuitry writes the data to
7 the data port responsive to the command.

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9 15. The device according to claim 11 wherein the communication
10 circuitry comprises radio frequency identification device circuitry.

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12 16. A radio frequency identification device comprising:
13 an integrated circuit including communication circuitry configured
14 to receive a wireless signal including an identifier, to process the
15 identifier of the wireless signal and to output a control signal responsive
16 to the processing of the identifier; and

17 indication circuitry coupled with the communication circuitry and
18 configured to receive the control signal and to output a human
19 perceptible signal to indicate presence of the radio frequency
20 identification device responsive to the control signal.

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22 17. The device according to claim 16 wherein the indication
23 circuitry includes a light emitting device configured to emit a human
24 visible signal to indicate the presence.

1 18. The device according to claim 16 wherein the wireless signal
2 includes data and the communication circuitry is configured to output
3 the control signal comprising the data.

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5 19. The device according to claim 16 wherein the communication
6 circuitry is configured to output a wireless signal.

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8 20. The device according to claim 16 further comprising a
9 battery coupled with the communication circuitry and the indication
10 circuitry.

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12 21. An identification system comprising:
13 an interrogator configured to output a wireless signal to identify
14 at least one of a plurality of radio frequency identification devices;
15 plural radio frequency identification devices individually configured
16 to receive the wireless signal and to selectively emit a human
17 perceptible signal to indicate presence; and

18 wherein only the at least one radio frequency identification device
19 identified by the wireless signal is configured to output the human
20 perceptible signal responsive to receiving the wireless signal.

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22 22. The system according to claim 21 wherein the radio
23 frequency identification devices individually include a light emitting device
24 configured to emit a human visible signal to indicate presence.

1 23. The system according to claim 21 wherein the wireless signal
2 includes an identifier and the at least one radio frequency identification
3 device is configured to indicate presence responsive to the identifier.

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5 24. The system according to claim 21 wherein the radio
6 frequency identification devices are individually configured to output
7 wireless signals.

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9 25. An identification system comprising:
10 an interrogator configured to output a wireless signal including an
11 identifier and data; and

12 a plurality of remote communication devices configured to
13 communicate with the interrogator and individually including:

14 communication circuitry including a data port and the
15 communication circuitry being configured to receive the wireless signal,
16 to process the identifier, and to selectively write the data to the data
17 port responsive to the processing of the identifier; and

18 indication circuitry coupled with the communication circuitry
19 and configured to receive the data and to indicate presence of the
20 respective remote communication device responsive to the data.

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22 26. The system according to claim 25 wherein the indication
23 circuitry is configured to emit a human perceptible signal to indicate the
24 presence.

1 27. The system according to claim 25 wherein the indication
2 circuitry includes a light emitting device configured to emit a human
3 visible signal to indicate the presence.

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5 28. The system according to claim 25 wherein the wireless signal
6 includes a command and the communication circuitry writes the data to
7 the data port responsive to the command.

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9 29. The system according to claim 25 wherein the communication
10 circuitry comprises radio frequency identification device circuitry.
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1 30. An identification system comprising:

2 an interrogator configured to output plural forward link radio
3 frequency signals individually including a command, data, and an
4 identifier to identify at least one of a plurality of radio frequency
5 identification devices;

6 a plurality of radio frequency identification devices configured to
7 communicate with the interrogator and individually including:

8 a substrate;

9 communication circuitry coupled with the substrate and
10 including a data port, the communication circuitry being configured to
11 receive the wireless signal, to process the identifier, to selectively
12 process the command responsive to the processing of the identifier, and
13 to selectively write the data to the data port responsive to the
14 processing of the command;

15 indication circuitry coupled with the data port and configured
16 to receive the data and to output a human visible signal to indicate
17 presence of the radio frequency identification device responsive to the
18 data; and

19 a battery coupled with the substrate and configured to
20 supply power to the communication circuitry and the indication circuitry;
21 and

22 wherein only the at least one radio frequency identification device
23 which is identified by the identifier of the wireless signal emits the
24 human visible signal to indicate presence.

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1 31. A communication method comprising:
2 providing a radio frequency identification device;
3 receiving a wireless signal including an identifier within the radio
4 frequency identification device;
5 processing the identifier;
6 generating a control signal after the processing; and
7 indicating presence of the radio frequency identification device
8 using indication circuitry of the radio frequency identification device
9 responsive to the control signal.
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11 32. The method according to claim 31 further comprising
12 outputting the wireless signal using an interrogator.
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14 33. The method according to claim 31 wherein the indicating
15 includes emitting a human perceptible signal.
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17 34. The method according to claim 31 wherein the indicating
18 includes emitting a human visible signal.
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20 35. The method according to claim 31 wherein the wireless
21 signal includes data and the control signal comprises the data.
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1 36. A communication method comprising:
2 providing a remote communication device;
3 receiving a wireless signal including an identifier and data within
4 the remote communication device;
5 processing the identifier;
6 selectively outputting the data to indication circuitry of the remote
7 communication device after the processing; and
8 emitting a human perceptible signal using the indication circuitry
9 after the outputting the data.
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11 37. The method according to claim 36 wherein the emitting
12 includes emitting a human visible signal.
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14 38. The method according to claim 36 further comprising
15 processing a command and the emitting is responsive to the processing
16 the command.
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18 39. The method according to claim 36 wherein the providing
19 includes providing a radio frequency identification device.
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1 40. An identification method comprising:
2 providing a plurality of remote communication devices individually
3 including indication circuitry;
4 associating the remote communication devices with respective plural
5 objects;
6 outputting a wireless signal to identify at least one object;
7 receiving the wireless signal within the remote communication
8 devices; and
9 indicating presence of the at least one selected object using the
10 indication circuitry of the remote communication device associated with
11 the at least one selected object.

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13 41. The method according to claim 40 wherein the indicating
14 includes emitting a human perceptible signal.

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16 42. The method according to claim 40 wherein the indicating
17 includes emitting a human perceptible signal.

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19 43. The method according to claim 40 wherein the wireless
20 signal includes an identifier and the indicating is responsive to the
21 identifier.
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1 44. The method according to claim 40 further comprising
2 processing the wireless signal and the indicating is responsive to the
3 processing.

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5 45. The method according to claim 40 wherein the providing
6 comprises providing a plurality of radio frequency identification devices.

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8 46. An identification method comprising:
9 providing a plurality of radio frequency identification devices
10 individually including indication circuitry;

11 outputting a wireless signal to identify at least one of the radio
12 frequency identification devices;

13 receiving the wireless signal within the radio frequency
14 identification devices; and

15 emitting a human perceptible signal after the receiving using the
16 indication circuitry of the at least one identified radio frequency
17 identification device.

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19 47. The method according to claim 46 wherein the emitting
20 includes emitting a human visible signal.

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22 48. The method according to claim 46 wherein the wireless
23 signal includes data and the emitting is responsive to the data.
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1 49. The method according to claim 46 wherein the outputting
2 the wireless signal includes outputting an identifier.

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4 50. The method according to claim 46 further comprising
5 processing the wireless signal and the emitting is responsive to the
6 processing.